GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 12, 2003, 08:58:52 ; Search time 60.3381 Seconds
(without alignments)
6737.272 Million cell updates/sec

Title: US-09-917-265-52
Perfect score: 921
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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	921	100.0	990	3	US-09-079-984A-11	Sequence 11, Appl
2	921	100.0	990	4	US-09-390-729-11	Sequence 11, Appl
3	759	82.4	990	3	US-09-079-984A-1	Sequence 1, Appli
4	759	82.4	990	4	US-09-390-729-1	Sequence 1, Appli
5	66	7.2	921	4	US-09-011-143-6	Sequence 6, Appli
6	66	7.2	921	4	US-09-302-495-6	Sequence 6, Appli
7	66	7.2	921	4	US-10-079-616-6	Sequence 6, Appli
8	66	7.2	2193	4	US-09-011-143-5	Sequence 5, Appli
9	66	7.2	2193	4	US-09-302-495-5	Sequence 5, Appli
10	66	7.2	2193	4	US-10-079-616-5	Sequence 5, Appli
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12	63	6.8	921	4	US-09-302-495-7	Sequence 7, Appli
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15	46	5.0	987	1	US-08-640-386A-1	Sequence 1, Appli
16	46	5.0	987	3	US-08-848-760B-24	Sequence 24, Appl
17	46	5.0	1018	2	US-08-184-009-194	Sequence 194, App
18	46	5.0	1018	2	US-08-458-356-194	Sequence 194, App
19	46	5.0	1018	3	US-08-460-736-194	Sequence 194, App
20	46	5.0	1018	4	US-09-535-370-194	Sequence 194, App
21	46	5.0	1399	2	US-08-751-767A-3	Sequence 3, Appli
22	46	5.0	1560	2	US-08-751-767A-11	Sequence 11, Appl
23	46	5.0	1623	2	US-08-751-767A-9	Sequence 9, Appli
24	46	5.0	1870	4	US-09-310-842-4	Sequence 4, Appli
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c 33	27	2.9	39	4	US-09-390-729-14	Sequence 14, Appl
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35	21	2.3	44	4	US-09-302-495-14	Sequence 14, Appl
36	21	2.3	44	4	US-10-079-616-14	Sequence 14, Appl
c 37	20	2.2	20	4	US-09-851-062-17	Sequence 17, Appl
c 38	20	2.2	20	4	US-09-851-062-23	Sequence 23, Appl
c 39	20	2.2	20	4	US-09-851-062-33	Sequence 33, Appl
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43	19	2.1	21	4	US-09-347-343-35	Sequence 35, Appl
c 44	19	2.1	25	2	US-08-751-767A-19	Sequence 19, Appl
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ALIGNMENTS

RESULT 1
US-09-079-984A-11
; Sequence 11, Application US/09079984A
; Patent No. 6231850
; GENERAL INFORMATION:
; APPLICANT: Okano, Fumiyoshi, Satoh, Massahiro,
; APPLICANT: Yamada, Katsushige
; TITLE OF INVENTION: Canine interleukin 12, a production method
; TITLE OF INVENTION: thereof, an immune disease treatment method and preventive
; TITLE OF INVENTION: method using it
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Miller & Christenbury Intellectual Property
; ADDRESSEE: Department of Schnader, Harrison, Segal and Lewis, LLP
; STREET: 1600 Market Street, 39th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,984A
; FILING DATE: 15-MAY-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Austin R. Miller
; REGISTRATION NUMBER: 16,602
; REFERENCE/DOCKET NUMBER: 1051-98
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 563-1810
; TELEFAX: (215) 568-6946
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 990 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: Canis familiaris
; FEATURE:
; NAME/KEY: Canine IL12
; LOCATION: 1 to 987
; IDENTIFICATION METHOD: Similarity
US-09-079-984A-11

Query Match 100.0%; Score 921; DB 3; Length 990;

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  Matches  921;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         61 GGAGAAATGGTGGTCCTCACCTGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCA 120
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Db        187 GCGCAGAGCAGTGAAGTCCTAGGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTT 246

Qy        181 GGAGATGCTGGCCAGTATACCTGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTG 240
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Qy        241 TTGATTCACAAAAAAGAAGATGGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAA 300
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Qy        541 GCCGAGGAGAGCCTACCCATCGAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAA 600
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Qy        601 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 660
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Qy        661 CAGCTGAAGCCATTGAAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 720
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Qy        781 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 840
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Qy        841 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 900
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Qy        901 TGGGCATCTGTGTCCTGCAGT 921
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Db        967 TGGGCATCTGTGTCCTGCAGT 987


RESULT 2
US-09-390-729-11
; Sequence 11, Application US/09390729
; Patent No. 6562334
;  GENERAL INFORMATION:
;    APPLICANT:  Okano, Fumiyoshi, Satoh, Massahiro,
;    APPLICANT:  Yamada, Katsushige
;    TITLE OF INVENTION:  Canine interleukin 12, a production method
;    TITLE OF INVENTION:  thereof, an immune disease treatment method and preventive
;    TITLE OF INVENTION:  method using it
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Miller & Christenbury Intellectual Property
;      ADDRESSEE:  Department of Schnader, Harrison, Segal and Lewis, LLP
;      STREET:  1600 Market Street, 39th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/390,729
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/079,984
;      FILING DATE:  15-MAY-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Austin R. Miller
;      REGISTRATION NUMBER:  16,602
;      REFERENCE/DOCKET NUMBER:  1051-98
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-1810
;      TELEFAX:  (215) 568-6946
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  990 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Canis familiaris
;    FEATURE:
;      NAME/KEY:  Canine IL12
;      LOCATION:  1 to 987
;      IDENTIFICATION METHOD:  Similarity
US-09-390-729-11

  Query Match             100.0%;  Score 921;  DB 4;  Length 990;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches  921;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        127 GGAGAAATGGTGGTCCTCACCTGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCA 186

Qy        121 GCGCAGAGCAGTGAAGTCCTAGGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTT 180
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Db        187 GCGCAGAGCAGTGAAGTCCTAGGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTT 246

Qy        181 GGAGATGCTGGCCAGTATACCTGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTG 240
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Db        307 TTGATTCACAAAAAAGAAGATGGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAA 366

Qy        301 TCCAAAAATAAGATCTTTCTGAAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGC 360
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Qy        361 TGGTGGCTGACGGCAATCAGTACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTC 420
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Qy        421 TCTGACCCCCAAGGGGTGACATGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTG 480
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Db        547 GACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCT 606

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Db        607 GCCGAGGAGAGCCTACCCATCGAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAA 666

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Qy        721 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 780
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Db        787 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 846

Qy        781 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 840
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Db        847 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 906

Qy        841 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 900
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Db        907 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 966

Qy        901 TGGGCATCTGTGTCCTGCAGT 921
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Db        967 TGGGCATCTGTGTCCTGCAGT 987


RESULT 3
US-09-079-984A-1
; Sequence 1, Application US/09079984A
; Patent No. 6231850
;  GENERAL INFORMATION:
;    APPLICANT:  Okano, Fumiyoshi, Satoh, Massahiro,
;    APPLICANT:  Yamada, Katsushige
;    TITLE OF INVENTION:  Canine interleukin 12, a production method
;    TITLE OF INVENTION:  thereof, an immune disease treatment method and preventive
;    TITLE OF INVENTION:  method using it
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Miller & Christenbury Intellectual Property
;      ADDRESSEE:  Department of Schnader, Harrison, Segal and Lewis, LLP
;      STREET:  1600 Market Street, 39th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/079,984A
;      FILING DATE:  15-MAY-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Austin R. Miller
;      REGISTRATION NUMBER:  16,602
;      REFERENCE/DOCKET NUMBER:  1051-98
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-1810
;      TELEFAX:  (215) 568-6946
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  990 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Canis familiaris
;    FEATURE:
;      NAME/KEY:  Canine IL12
;      LOCATION:  1 to 987
;      IDENTIFICATION METHOD:  Similarity
US-09-079-984A-1

  Query Match            82.4%;  Score 759;  DB 3;  Length 990;
  Best Local Similarity  99.7%;  Pred. No. 0;
  Matches  909;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

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Db        127 GGAGAAATGGTGGTCCTCACCTGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCA 186

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Db        667 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 726

Qy        661 CAGCTGAAGCCATTGAAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 720
              ||||||||||||||  ||||||||||||||||||||||||||||||||||||||||||||
Db        727 CAGCTGAAGCCATTGGAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 786

Qy        721 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 780
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```
Db        787 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 846

Qy        781 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        847 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 906

Qy        841 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        907 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 966

Qy        901 TGGGCATCTGTG 912
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Db        967 TGGGCATCTGTG 978


RESULT 4
US-09-390-729-1
; Sequence 1, Application US/09390729
; Patent No. 6562334
;  GENERAL INFORMATION:
;    APPLICANT:  Okano, Fumiyoshi, Satoh, Massahiro,
;    APPLICANT:  Yamada, Katsushige
;    TITLE OF INVENTION:  Canine interleukin 12, a production method
;    TITLE OF INVENTION:  thereof, an immune disease treatment method and preventive
;    TITLE OF INVENTION:  method using it
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Miller & Christenbury Intellectual Property
;      ADDRESSEE:  Department of Schnader, Harrison, Segal and Lewis, LLP
;      STREET:  1600 Market Street, 39th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/390,729
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/079,984
;      FILING DATE:  15-MAY-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Austin R. Miller
;      REGISTRATION NUMBER:  16,602
;      REFERENCE/DOCKET NUMBER:  1051-98
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-1810
;      TELEFAX:  (215) 568-6946
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  990 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Canis familiaris
;    FEATURE:
;      NAME/KEY:  Canine IL12
;      LOCATION:  1 to 987
;      IDENTIFICATION METHOD:  Similarity
US-09-390-729-1

  Query Match             82.4%;  Score 759;  DB 4;  Length 990;
  Best Local Similarity   99.7%;  Pred. No. 0;
  Matches  909;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 ATATGGGAACTGGAGAAAGATGTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCC 60
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Db         67 ATATGGGAACTGGAGAAAGATGTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCC 126

Qy         61 GGAGAAATGGTGGTCCTCACCTGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        127 GGAGAAATGGTGGTCCTCACCTGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCA 186

Qy        121 GCGCAGAGCAGTGAAGTCCTAGGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        187 GCGCAGAGCAGTGAAGTCCTAGGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTT 246

Qy        181 GGAGATGCTGGCCAGTATACCTGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        247 GGAGATGCTGGCCAGTATACCTGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTG 306

Qy        241 TTGATTCACAAAAAAGAAGATGGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        307 TTGATTCACAAAAAAGAAGATGGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAA 366

Qy        301 TCCAAAAATAAGATCTTTCTGAAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGC 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        367 TCCAAAAATAAGATCTTTCTGAAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGC 426

Qy        361 TGGTGGCTGACGGCAATCAGTACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTC 420
              |||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Db        427 TGGTGGCTGAGCGCAATCAGTACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTC 486

Qy        421 TCTGACCCCCAAGGGGTGACATGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTG 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        487 TCTGACCCCCAAGGGGTGACATGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTG 546

Qy        481 GACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCT 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        547 GACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCT 606

Qy        541 GCCGAGGAGAGCCTACCCATCGAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAA 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        607 GCCGAGGAGAGCCTACCCATCGAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAA 666

Qy        601 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        667 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 726

Qy        661 CAGCTGAAGCCATTGAAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 720
              |||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Db        727 CAGCTGAAGCCATTGGAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 786

Qy        721 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        787 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 846

Qy        781 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        847 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 906

Qy        841 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 900
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        907 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 966

Qy        901 TGGGCATCTGTG 912
              ||||||||||||
Db        967 TGGGCATCTGTG 978


RESULT 5
US-09-011-143-6
; Sequence 6, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
```

```
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  921 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-6

  Query Match             7.2%;  Score 66;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530
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Db        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530

Qy        531 CTGCCC 536
              ||||||
Db        531 CTGCCC 536


RESULT 6
US-09-302-495-6
; Sequence 6, Application US/09302495
; Patent No. 6518045
;  GENERAL INFORMATION:
;       APPLICANT:  IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;       TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES:  26
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE:  BROWDY AND NEIMARK
;            STREET:  419 Seventh Street, N.W., Suite 300
;            CITY:  Washington
;            STATE:  D.C.
;            COUNTRY:  USA
;            ZIP:  20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE:  Floppy disk
;            COMPUTER:  IBM PC compatible
;            OPERATING SYSTEM:  PC-DOS/MS-DOS
;            SOFTWARE:  PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER:  US/09/302,495
;            FILING DATE:  30-Apr-1999
;            CLASSIFICATION:  <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER:  US/09/011,143
;            FILING DATE:  04-FEB-1998
;            APPLICATION NUMBER:  PCT/JP97/01824
;            FILING DATE:  29-MAY-1997
;            APPLICATION NUMBER:  JP 165249/1996
;            FILING DATE:  04-JUN-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME:  BROWDY, Roger L.
;            REGISTRATION NUMBER:  25,618
;            REFERENCE/DOCKET NUMBER:  IMAMURA=1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE:  202-628-5197
;            TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  6:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH:  921 base pairs
;            TYPE:  nucleic acid
;            STRANDEDNESS:  single
;            TOPOLOGY:  linear
;       MOLECULE TYPE:  cDNA
;       SEQUENCE DESCRIPTION:  SEQ ID NO:  6:
US-09-302-495-6

  Query Match             7.2%;  Score 66;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530
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Db        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530

Qy        531 CTGCCC 536
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Db        531 CTGCCC 536


RESULT 7
US-10-079-616-6
; Sequence 6, Application US/10079616
; Patent No. 6566097
;  GENERAL INFORMATION:
;       APPLICANT:  IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;       TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES:  26
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE:  BROWDY AND NEIMARK
;            STREET:  419 Seventh Street, N.W., Suite 300
;            CITY:  Washington
;            STATE:  D.C.
;            COUNTRY:  USA
;            ZIP:  20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE:  Floppy disk
;            COMPUTER:  IBM PC compatible
;            OPERATING SYSTEM:  PC-DOS/MS-DOS
;            SOFTWARE:  PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER:  US/10/079,616
;            FILING DATE:  22-Feb-2002
;            CLASSIFICATION:  <Unknown>
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;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/011,143
;            FILING DATE: 04-FEB-1998
;            APPLICATION NUMBER: PCT/JP97/01824
;            FILING DATE: 29-MAY-1997
;            APPLICATION NUMBER: JP 165249/1996
;            FILING DATE: 04-JUN-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BROWDY, Roger L.
;            REGISTRATION NUMBER: 25,618
;            REFERENCE/DOCKET NUMBER: IMAMURA=1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-628-5197
;            TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 6:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 921 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-079-616-6

  Query Match             7.2%;  Score 66;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530
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Db        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530

Qy        531 CTGCCC 536
              ||||||
Db        531 CTGCCC 536


RESULT 8
US-09-011-143-5
; Sequence 5, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2193 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-5

  Query Match             7.2%;  Score 66;  DB 4;  Length 2193;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        600 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 659

Qy        531 CTGCCC 536
              ||||||
Db        660 CTGCCC 665


RESULT 9
US-09-302-495-5
; Sequence 5, Application US/09302495
; Patent No. 6518045
;  GENERAL INFORMATION:
;       APPLICANT: IMAMURA, Takayuki
;                  MAEDA, Hiroaki
;                  FUJIYASU, Takeshi
;                  IMAGAWA, Yoshitaka
;                  TOKIYOSHI, Sachio
;       TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES: 26
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: BROWDY AND NEIMARK
;            STREET: 419 Seventh Street, N.W., Suite 300
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/302,495
;            FILING DATE: 30-Apr-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/011,143
;            FILING DATE: 04-FEB-1998
;            APPLICATION NUMBER: PCT/JP97/01824
;            FILING DATE: 29-MAY-1997
;            APPLICATION NUMBER: JP 165249/1996
;            FILING DATE: 04-JUN-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BROWDY, Roger L.
;            REGISTRATION NUMBER: 25,618
;            REFERENCE/DOCKET NUMBER: IMAMURA=1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-628-5197
;            TELEFAX: 202-737-3528
;  INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 2193 base pairs
;            TYPE: nucleic acid
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;             STRANDEDNESS: single
;             TOPOLOGY: linear
;          MOLECULE TYPE: cDNA
;          SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-302-495-5

  Query Match             7.2%;  Score 66;  DB 4;  Length 2193;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        600 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 659

Qy        531 CTGCCC 536
              ||||||
Db        660 CTGCCC 665


RESULT 10
US-10-079-616-5
; Sequence 5, Application US/10079616
; Patent No. 6566097
;  GENERAL INFORMATION:
;       APPLICANT: IMAMURA, Takayuki
;                  MAEDA, Hiroaki
;                  FUJIYASU, Takeshi
;                  IMAGAWA, Yoshitaka
;                  TOKIYOSHI, Sachio
;       TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES: 26
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: BROWDY AND NEIMARK
;            STREET: 419 Seventh Street, N.W., Suite 300
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/079,616
;            FILING DATE: 22-Feb-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/011,143
;            FILING DATE: 04-FEB-1998
;            APPLICATION NUMBER: PCT/JP97/01824
;            FILING DATE: 29-MAY-1997
;            APPLICATION NUMBER: JP 165249/1996
;            FILING DATE: 04-JUN-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BROWDY, Roger L.
;            REGISTRATION NUMBER: 25,618
;            REFERENCE/DOCKET NUMBER: IMAMURA=1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-628-5197
;            TELEFAX: 202-737-3528
;  INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 2193 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-079-616-5

  Query Match             7.2%;  Score 66;  DB 4;  Length 2193;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        600 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 659

Qy        531 CTGCCC 536
              ||||||
Db        660 CTGCCC 665


RESULT 11
US-09-011-143-7
; Sequence 7, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  921 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-7

  Query Match             6.8%;  Score 63;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-22;
  Matches   63;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         82 TGC 84
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Db         82 TGC 84
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RESULT 12
US-09-302-495-7
; Sequence 7, Application US/09302495
; Patent No. 6518045
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/302,495
;             FILING DATE: 30-Apr-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 921 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-302-495-7

  Query Match             6.8%;  Score 63;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-22;
  Matches   63;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy         82 TGC 84
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Db         82 TGC 84


RESULT 13
US-10-079-616-7
; Sequence 7, Application US/10079616
; Patent No. 6566097
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/079,616
;             FILING DATE: 22-Feb-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 921 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-079-616-7

  Query Match             6.8%;  Score 63;  DB 4;  Length 921;
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  Matches   63;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         22 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 81
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Qy         82 TGC 84
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Db         82 TGC 84


RESULT 14
US-08-186-529-1
; Sequence 1, Application US/08186529
; Patent No. 5573764
;  GENERAL INFORMATION:
;    APPLICANT:  Sykes, Megan
;    APPLICANT:  Wolf, Stanley F.
;    TITLE OF INVENTION:  USE OF INTERLEUKIN-12 TO PREVENT
;    TITLE OF INVENTION:  GRAFT-VERSUS-HOST DISEASE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc., Legal Affairs
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
```

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;       COUNTRY:  USA
;       ZIP:  02140
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/186,529
;       FILING DATE:
;       CLASSIFICATION:  424
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  McDaniels, Patricia A.
;       REGISTRATION NUMBER:  33,194
;       REFERENCE/DOCKET NUMBER:  GI 5225
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  617-498-8401
;       TELEFAX:  617-876-5851
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  987 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     ORIGINAL SOURCE:
;       ORGANISM:  Homo sapiens
;       CELL TYPE:  Lymphoblast
;       CELL LINE:  RPMI 8866
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  1..987
US-08-186-529-1

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  Matches   46;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 15
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; Sequence 1, Application US/08640386A
; Patent No. 5756085
;  GENERAL INFORMATION:
;    APPLICANT:  Sykes, Megan
;    APPLICANT:  Wolf, Stanley F.
;    TITLE OF INVENTION:  USE OF INTERLEUKIN-12 TO PREVENT
;    TITLE OF INVENTION:  GRAFT-VERSUS-HOST DISEASE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc., Legal Affairs
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/640,386A
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI 5225A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-498-8224
;      TELEFAX:  617-876-5851
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  987 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Lymphoblast
;      CELL LINE:  RPMI 8866
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..987
US-08-640-386A-1

  Query Match             5.0%;  Score 46;  DB 1;  Length 987;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-13;
  Matches   46;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        581 TTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTCATCAG 626
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Title: US-09-917-265-58
Perfect score: 987
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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

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Minimum DB seq length: 0
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Post-processing: Listing first 45 summaries

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6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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2	974	98.7	990	4	US-09-390-729-11	Sequence 11, Appl
3	798	80.9	990	3	US-09-079-984A-1	Sequence 1, Appli
4	798	80.9	990	4	US-09-390-729-1	Sequence 1, Appli
5	66	6.7	921	4	US-09-011-143-6	Sequence 6, Appli
6	66	6.7	921	4	US-09-302-495-6	Sequence 6, Appli
7	66	6.7	921	4	US-10-079-616-6	Sequence 6, Appli
8	66	6.7	2193	4	US-09-011-143-5	Sequence 5, Appli
9	66	6.7	2193	4	US-09-302-495-5	Sequence 5, Appli
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11	63	6.4	921	4	US-09-011-143-7	Sequence 7, Appli
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15	46	4.7	987	1	US-08-640-386A-1	Sequence 1, Appli
16	46	4.7	987	3	US-08-848-760B-24	Sequence 24, Appl
17	46	4.7	1018	2	US-08-184-009-194	Sequence 194, App
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19	46	4.7	1018	3	US-08-460-736-194	Sequence 194, App
20	46	4.7	1018	4	US-09-535-370-194	Sequence 194, App
21	46	4.7	1399	2	US-08-751-767A-3	Sequence 3, Appli
22	46	4.7	1560	2	US-08-751-767A-11	Sequence 11, Appl
23	46	4.7	1623	2	US-08-751-767A-9	Sequence 9, Appli
24	46	4.7	1870	4	US-09-310-842-4	Sequence 4, Appli
25	46	4.7	2318	4	US-09-851-062-3	Sequence 3, Appli
26	46	4.7	2362	1	US-08-265-087-1	Sequence 1, Appli
27	46	4.7	2362	1	US-08-621-493-1	Sequence 1, Appli
28	46	4.7	2362	2	US-08-965-688-1	Sequence 1, Appli
29	46	4.7	2362	3	US-09-260-173-1	Sequence 1, Appli
30	46	4.7	2362	4	US-09-924-703-3	Sequence 3, Appli
31	46	4.7	6139	2	US-08-751-767A-7	Sequence 7, Appli
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33	24	2.4	39	4	US-09-390-729-13	Sequence 13, Appl
34	21	2.1	44	4	US-09-011-143-14	Sequence 14, Appl
35	21	2.1	44	4	US-09-302-495-14	Sequence 14, Appl
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c 37	20	2.0	20	4	US-09-851-062-17	Sequence 17, Appl
c 38	20	2.0	20	4	US-09-851-062-23	Sequence 23, Appl
c 39	20	2.0	20	4	US-09-851-062-33	Sequence 33, Appl
c 40	20	2.0	39	3	US-09-079-984A-14	Sequence 14, Appl
c 41	20	2.0	39	4	US-09-390-729-14	Sequence 14, Appl
42	20	2.0	1061	2	US-08-385-335A-13	Sequence 13, Appl
43	20	2.0	6295	2	US-08-659-206A-4	Sequence 4, Appli
44	20	2.0	7287	2	US-08-659-206A-1	Sequence 1, Appli
45	19	1.9	21	4	US-09-347-343-35	Sequence 35, Appl

ALIGNMENTS

RESULT 1
US-09-079-984A-11
; Sequence 11, Application US/09079984A
; Patent No. 6231850
; GENERAL INFORMATION:
; APPLICANT: Okano, Fumiyoshi, Satoh, Massahiro,
; APPLICANT: Yamada, Katsushige
; TITLE OF INVENTION: Canine interleukin 12, a production method
; TITLE OF INVENTION: thereof, an immune disease treatment method and preventive
; TITLE OF INVENTION: method using it
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Miller & Christenbury Intellectual Property
; ADDRESSEE: Department of Schnader, Harrison, Segal and Lewis, LLP
; STREET: 1600 Market Street, 39th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/079,984A
; FILING DATE: 15-MAY-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Austin R. Miller
; REGISTRATION NUMBER: 16,602
; REFERENCE/DOCKET NUMBER: 1051-98
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 563-1810
; TELEFAX: (215) 568-6946
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 990 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: Canis familiaris
; FEATURE:
; NAME/KEY: Canine IL12
; LOCATION: 1 to 987
; IDENTIFICATION METHOD: Similarity
US-09-079-984A-11

Query Match 98.7%; Score 974; DB 3; Length 990;

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  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches  974;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db        667 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 726

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Db        787 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 846

Qy        847 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 906
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Qy        907 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 966
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RESULT 2
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US-09-390-729-11
; Sequence 11, Application US/09390729
; Patent No. 6562334
;  GENERAL INFORMATION:
;    APPLICANT:  Okano, Fumiyoshi, Satoh, Massahiro,
;    APPLICANT:  Yamada, Katsushige
;    TITLE OF INVENTION:  Canine interleukin 12, a production method
;    TITLE OF INVENTION:  thereof, an immune disease treatment method and preventive
;    TITLE OF INVENTION:  method using it
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Miller & Christenbury Intellectual Property
;      ADDRESSEE:  Department of Schnader, Harrison, Segal and Lewis, LLP
;      STREET:  1600 Market Street, 39th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/390,729
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/079,984
;      FILING DATE:  15-MAY-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Austin R. Miller
;      REGISTRATION NUMBER:  16,602
;      REFERENCE/DOCKET NUMBER:  1051-98
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-1810
;      TELEFAX:  (215) 568-6946
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  990 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Canis familiaris
;    FEATURE:
;      NAME/KEY:  Canine IL12
;      LOCATION:  1 to 987
;      IDENTIFICATION METHOD:  Similarity
US-09-390-729-11

  Query Match             98.7%;  Score 974;  DB 4;  Length 990;
  Best Local Similarity   100.0%;  Pred. No. 0;
  Matches  974;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          7 CCTCAGCAGTTGGTCATCTCCTGGTTTTCCCTCGTTTTGCTGGCGTCTCCCCTCATGGCC 66
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Db          7 CCTCAGCAGTTGGTCATCTCCTGGTTTTCCCTCGTTTTGCTGGCGTCTCCCCTCATGGCC 66

Qy         67 ATATGGGAACTGGAGAAAGATGTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCC 126
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         67 ATATGGGAACTGGAGAAAGATGTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCC 126

Qy        127 GGAGAAATGGTGGTCCTCACCTGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCA 186
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Qy        187 GCGCAGAGCAGTGAAGTCCTAGGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTT 246
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Qy        247 GGAGATGCTGGCCAGTATACCTGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTG 306
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Db        247 GGAGATGCTGGCCAGTATACCTGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTG 306

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Qy        367 TCCAAAAATAAGATCTTTCTGAAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGC 426
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Db        367 TCCAAAAATAAGATCTTTCTGAAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGC 426

Qy        427 TGGTGGCTGACGGCAATCAGTACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTC 486
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Db        427 TGGTGGCTGACGGCAATCAGTACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTC 486

Qy        487 TCTGACCCCCAAGGGGTGACATGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTG 546
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        487 TCTGACCCCCAAGGGGTGACATGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTG 546

Qy        547 GACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCT 606
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Db        547 GACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCT 606

Qy        607 GCCGAGGAGAGCCTACCCATCGAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAA 666
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        607 GCCGAGGAGAGCCTACCCATCGAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAA 666

Qy        667 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 726
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Db        667 AACTACACCAGCAGCTTCTTCATCAGAGACATCATCAAACCAGACCCACCCACAAACCTG 726

Qy        727 CAGCTGAAGCCATTGAAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 786
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Db        727 CAGCTGAAGCCATTGAAAAATTCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACC 786

Qy        787 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 846
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Db        787 TGGAGCACCCCACATTCCTACTTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAAC 846

Qy        847 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 906
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Db        847 AATAGAGAAAAGAAAGATAGACTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCAC 906

Qy        907 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 966
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        907 AAGGATGCCAAGATCCGCGTGCAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGAC 966

Qy        967 TGGGCATCTGTGTC 980
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Db        967 TGGGCATCTGTGTC 980


RESULT 3
US-09-079-984A-1
; Sequence 1, Application US/09079984A
; Patent No. 6231850
;  GENERAL INFORMATION:
;    APPLICANT:  Okano, Fumiyoshi, Satoh, Massahiro,
;    APPLICANT:  Yamada, Katsushige
;    TITLE OF INVENTION:  Canine interleukin 12, a production method
;    TITLE OF INVENTION:  thereof, an immune disease treatment method and preventive
;    TITLE OF INVENTION:  method using it
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Miller & Christenbury Intellectual Property
;      ADDRESSEE:  Department of Schnader, Harrison, Segal and Lewis, LLP
;      STREET:  1600 Market Street, 39th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/079,984A
;      FILING DATE:  15-MAY-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Austin R. Miller
;      REGISTRATION NUMBER:  16,602
;      REFERENCE/DOCKET NUMBER:  1051-98
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-1810
;      TELEFAX:  (215) 568-6946
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  990 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Canis familiaris
;    FEATURE:
;      NAME/KEY:  Canine IL12
;      LOCATION:  1 to 987
;      IDENTIFICATION METHOD:  Similarity
US-09-079-984A-1

  Query Match             80.9%;  Score 798;  DB 3;  Length 990;
  Best Local Similarity   99.7%;  Pred. No. 0;
  Matches  948;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         28 TGGTTTTCCCTCGTTTTGCTGGCGTCTCCCCTCATGGCCATATGGGAACTGGAGAAAGAT 87
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Db         28 TGGTTTTCCCTCGTTTTGCTGGCGTCTCCCCTCATGGCCATATGGGAACTGGAGAAAGAT 87

Qy         88 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 147
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         88 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 147

Qy        148 TGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCAGCGCAGAGCAGTGAAGTCCTA 207
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        148 TGCCATACCCCTGAAGAAGATGACATCACTTGGACCTCAGCGCAGAGCAGTGAAGTCCTA 207

Qy        208 GGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTTGGAGATGCTGGCCAGTATACC 267
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        208 GGTTCTGGTAAAACTCTGACCATCCAAGTCAAAGAATTTGGAGATGCTGGCCAGTATACC 267

Qy        268 TGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTGTTGATTCACAAAAAAGAAGAT 327
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Db        268 TGCCATAAAGGAGGCAAGGTTCTGAGCCGCTCACTCCTGTTGATTCACAAAAAAGAAGAT 327

Qy        328 GGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAATCCAAAAAATAAGATCTTTCTG 387
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Db        328 GGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAATCCAAAAAATAAGATCTTTCTG 387

Qy        388 AAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGCTGGTGGCTGACGGCAATCAGT 447
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Db        388 AAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGCTGGTGGCTGAGCGCAATCAGT 447

Qy        448 ACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTCTCTGACCCCCAAGGGGTGACA 507
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Qy        508 TGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTGGACAACAGGGATTATAAGAAG 567
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Db        568 TACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCTGCCGAGGAGAGCCTACCCATC 627

Qy        628 GAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTC 687
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Qy        688 ATCAGAGACATCATCAAACCAGACCCACCCACAAACCTGCAGCTGAAGCCATTGAAAAAT 747
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
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Qy        748 TCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACCTGGAGCACCCCACATTCCTAC 807
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Db        748 TCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACCTGGAGCACCCCACATTCCTAC 807

Qy        808 TTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAACAATAGAGAAAAGAAAGATAGA 867
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Qy        868 CTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCACAAGGATGCCAAGATCCGCGTG 927
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Qy        928 CAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGACTGGGCATCTGTG 978
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RESULT 4
US-09-390-729-1
; Sequence 1, Application US/09390729
; Patent No. 6562334
;  GENERAL INFORMATION:
;    APPLICANT:  Okano, Fumiyoshi, Satoh, Massahiro,
;    APPLICANT:  Yamada, Katsushige
;    TITLE OF INVENTION:  Canine interleukin 12, a production method
;    TITLE OF INVENTION:  thereof, an immune disease treatment method and preventive
;    TITLE OF INVENTION:  method using it
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Miller & Christenbury Intellectual Property
;      ADDRESSEE:  Department of Schnader, Harrison, Segal and Lewis, LLP
;      STREET:  1600 Market Street, 39th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/390,729
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/079,984
;      FILING DATE:  15-MAY-1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Austin R. Miller
;      REGISTRATION NUMBER:  16,602
;      REFERENCE/DOCKET NUMBER:  1051-98
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-1810
;      TELEFAX:  (215) 568-6946
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  990 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Canis familiaris
;    FEATURE:
;      NAME/KEY:  Canine IL12
;      LOCATION:  1 to 987
;      IDENTIFICATION METHOD:  Similarity
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US-09-390-729-1

Query Match 80.9%; Score 798; DB 4; Length 990;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 948; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy        328 GGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAATCCAAAAATAAGATCTTTCTG 387
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Db        328 GGAATTTGGTCCACTGATATCTTAAAGGAACAGAAAGAATCCAAAAATAAGATCTTTCTG 387

Qy        388 AAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGCTGGTGGCTGACGGCAATCAGT 447
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Db        388 AAATGTGAGGCAAAGAATTATTCTGGACGTTTCACATGCTGGTGGCTGAGCGCAATCAGT 447

Qy        448 ACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTCTCTGACCCCCAAGGGGTGACA 507
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Db        448 ACTGATTTGAAATTCAGTGTCAAAAGTAGCAGAGGCTTCTCTGACCCCCAAGGGGTGACA 507

Qy        508 TGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTGGACAACAGGGATTATAAGAAG 567
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Db        508 TGTGGAGCAGTGACACTTTCAGCAGAGAGGGTCAGAGTGGACAACAGGGATTATAAGAAG 567

Qy        568 TACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCTGCCGAGGAGAGCCTACCCATC 627
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        568 TACACAGTGGAGTGTCAGGAGGGCAGTGCCTGCCCCTCTGCCGAGGAGAGCCTACCCATC 627

Qy        628 GAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTC 687
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        628 GAGGTCGTGGTGGATGCTATTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTC 687

Qy        688 ATCAGAGACATCATCAAACCAGACCCACCCACAAACCTGCAGCTGAAGCCATTGAAAAAT 747
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Db        688 ATCAGAGACATCATCAAACCAGACCCACCCACAAACCTGCAGCTGAAGCCATTGGAAAAT 747

Qy        748 TCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACCTGGAGCACCCCACATTCCTAC 807
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        748 TCTCGGCACGTGGAGGTCAGCTGGGAATACCCCGACACCTGGAGCACCCCACATTCCTAC 807

Qy        808 TTCTCCCTGACATTTTGCATACAGGCCCAGGGCAAGAACAATAGAGAAAAGAAAGATAGA 867
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Qy        868 CTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCACAAGGATGCCAAGATCCGCGTG 927
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Db        868 CTCTGCGTGGACAAGACCTCAGCCAAGGTCGTGTGCCACAAGGATGCCAAGATCCGCGTG 927

Qy        928 CAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGACTGGGCATCTGTG 978
              |||||||||||||||||||||||||||||||||||||||||||||||||||
Db        928 CAAGCCCGAGACCGCTACTATAGTTCATCCTGGAGCGACTGGGCATCTGTG 978


RESULT 5
US-09-011-143-6
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; Sequence 6, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  921 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-6

  Query Match             6.7%;  Score 66;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        537 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 596
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Qy        597 CTGCCC 602
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Db        531 CTGCCC 536


RESULT 6
US-09-302-495-6
; Sequence 6, Application US/09302495
; Patent No. 6518045
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/302,495
;             FILING DATE: 30-Apr-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 921 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-302-495-6

  Query Match             6.7%;  Score 66;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        537 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 596
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530

Qy        597 CTGCCC 602
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Db        531 CTGCCC 536


RESULT 7
US-10-079-616-6
; Sequence 6, Application US/10079616
; Patent No. 6566097
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
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;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;          CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/079,616
;             FILING DATE: 22-Feb-2002
;             CLASSIFICATION: <Unknown>
;          PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;          ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;          TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;       INFORMATION FOR SEQ ID NO: 6:
;          SEQUENCE CHARACTERISTICS:
;             LENGTH: 921 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;          MOLECULE TYPE: cDNA
;          SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-079-616-6

  Query Match             6.7%;  Score 66;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        537 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 596
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        471 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 530

Qy        597 CTGCCC 602
              ||||||
Db        531 CTGCCC 536


RESULT 8
US-09-011-143-5
; Sequence 5, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2193 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-5

  Query Match             6.7%;  Score 66;  DB 4;  Length 2193;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        537 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 596
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        600 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 659

Qy        597 CTGCCC 602
              ||||||
Db        660 CTGCCC 665


RESULT 9
US-09-302-495-5
; Sequence 5, Application US/09302495
; Patent No. 6518045
;  GENERAL INFORMATION:
;       APPLICANT: IMAMURA, Takayuki
;                  MAEDA, Hiroaki
;                  FUJIYASU, Takeshi
;                  IMAGAWA, Yoshitaka
;                  TOKIYOSHI, Sachio
;       TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES: 26
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: BROWDY AND NEIMARK
;            STREET: 419 Seventh Street, N.W., Suite 300
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/302,495
;            FILING DATE: 30-Apr-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/011,143
;            FILING DATE: 04-FEB-1998
;            APPLICATION NUMBER: PCT/JP97/01824
;            FILING DATE: 29-MAY-1997
;            APPLICATION NUMBER: JP 165249/1996
;            FILING DATE: 04-JUN-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: BROWDY, Roger L.
;            REGISTRATION NUMBER: 25,618
```

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;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;          TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;    INFORMATION FOR SEQ ID NO: 5:
;          SEQUENCE CHARACTERISTICS:
;             LENGTH: 2193 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;          MOLECULE TYPE: cDNA
;          SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-302-495-5

  Query Match             6.7%;  Score 66;  DB 4;  Length 2193;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        537 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 596
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        600 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 659

Qy        597 CTGCCC 602
              ||||||
Db        660 CTGCCC 665


RESULT 10
US-10-079-616-5
; Sequence 5, Application US/10079616
; Patent No. 6566097
;  GENERAL INFORMATION:
;       APPLICANT: IMAMURA, Takayuki
;                  MAEDA, Hiroaki
;                  FUJIYASU, Takeshi
;                  IMAGAWA, Yoshitaka
;                  TOKIYOSHI, Sachio
;       TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES: 26
;       CORRESPONDENCE ADDRESS:
;          ADDRESSEE: BROWDY AND NEIMARK
;          STREET: 419 Seventh Street, N.W., Suite 300
;          CITY: Washington
;          STATE: D.C.
;          COUNTRY: USA
;          ZIP: 20004
;       COMPUTER READABLE FORM:
;          MEDIUM TYPE: Floppy disk
;          COMPUTER: IBM PC compatible
;          OPERATING SYSTEM: PC-DOS/MS-DOS
;          SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;          APPLICATION NUMBER: US/10/079,616
;          FILING DATE: 22-Feb-2002
;          CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;          APPLICATION NUMBER: 09/011,143
;          FILING DATE: 04-FEB-1998
;          APPLICATION NUMBER: PCT/JP97/01824
;          FILING DATE: 29-MAY-1997
;          APPLICATION NUMBER: JP 165249/1996
;          FILING DATE: 04-JUN-1996
;       ATTORNEY/AGENT INFORMATION:
;          NAME: BROWDY, Roger L.
;          REGISTRATION NUMBER: 25,618
;          REFERENCE/DOCKET NUMBER: IMAMURA=1
;       TELECOMMUNICATION INFORMATION:
;          TELEPHONE: 202-628-5197
;          TELEFAX: 202-737-3528
;    INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;          LENGTH: 2193 base pairs
;          TYPE: nucleic acid
;          STRANDEDNESS: single
;          TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-079-616-5

  Query Match             6.7%;  Score 66;  DB 4;  Length 2193;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-23;
  Matches   66;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        537 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 596
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        600 GGTCAGAGTGGACAACAGGGATTATAAGAAGTACACAGTGGAGTGTCAGGAGGGCAGTGC 659

Qy        597 CTGCCC 602
              ||||||
Db        660 CTGCCC 665


RESULT 11
US-09-011-143-7
; Sequence 7, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  921 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-7

  Query Match             6.4%;  Score 63;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 5.3e-22;
  Matches   63;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          88 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 147
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Db          22 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 81

Qy         148 TGC 150
               |||
Db          82 TGC 84
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RESULT 12
US-09-302-495-7
; Sequence 7, Application US/09302495
; Patent No. 6518045
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/302,495
;             FILING DATE: 30-Apr-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 921 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-302-495-7

  Query Match             6.4%;  Score 63;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 5.3e-22;
  Matches   63;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          88 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 147
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          22 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 81

Qy         148 TGC 150
               |||
Db          82 TGC 84
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RESULT 13
US-10-079-616-7
; Sequence 7, Application US/10079616
; Patent No. 6566097
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/079,616
;             FILING DATE: 22-Feb-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 921 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-079-616-7

  Query Match             6.4%;  Score 63;  DB 4;  Length 921;
  Best Local Similarity   100.0%;  Pred. No. 5.3e-22;
  Matches   63;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          88 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 147
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          22 GTTTATGTTGTAGAGTTGGACTGGCACCCTGATGCCCCCGGAGAAATGGTGGTCCTCACC 81

Qy         148 TGC 150
               |||
Db          82 TGC 84
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RESULT 14
US-08-186-529-1
; Sequence 1, Application US/08186529
; Patent No. 5573764
;  GENERAL INFORMATION:
;    APPLICANT:  Sykes, Megan
;    APPLICANT:  Wolf, Stanley F.
```

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;    TITLE OF INVENTION:  USE OF INTERLEUKIN-12 TO PREVENT
;    TITLE OF INVENTION:  GRAFT-VERSUS-HOST DISEASE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc., Legal Affairs
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/186,529
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniels, Patricia A.
;      REGISTRATION NUMBER:  33,194
;      REFERENCE/DOCKET NUMBER:  GI 5225
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-498-8401
;      TELEFAX:  617-876-5851
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  987 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Lymphoblast
;      CELL LINE:  RPMI 8866
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..987
US-08-186-529-1

  Query Match             4.7%;  Score 46;  DB 1;  Length 987;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-13;
  Matches   46;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        647 TTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTCATCAG 692
              ||||||||||||||||||||||||||||||||||||||||||||||
Db        644 TTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTCATCAG 689


RESULT 15
US-08-640-386A-1
; Sequence 1, Application US/08640386A
; Patent No. 5756085
;  GENERAL INFORMATION:
;    APPLICANT:  Sykes, Megan
;    APPLICANT:  Wolf, Stanley F.
;    TITLE OF INVENTION:  USE OF INTERLEUKIN-12 TO PREVENT
;    TITLE OF INVENTION:  GRAFT-VERSUS-HOST DISEASE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc., Legal Affairs
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/640,386A
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI 5225A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-498-8224
;      TELEFAX:  617-876-5851
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  987 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Lymphoblast
;      CELL LINE:  RPMI 8866
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..987
US-08-640-386A-1

  Query Match             4.7%;  Score 46;  DB 1;  Length 987;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-13;
  Matches   46;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        647 TTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTCATCAG 692
              ||||||||||||||||||||||||||||||||||||||||||||||
Db        644 TTCACAAGCTCAAGTATGAAAACTACACCAGCAGCTTCTTCATCAG 689


Search completed: December 12, 2003, 09:29:51
Job time : 65.6619 secs
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